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(71) Applicant (for all designated States except US): KO-REA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY [KR/KR]; 52 Oun-dong, Yusung-ku, Taejon-si 305-333 (KR).

(72) Inventors; and

(75) Inventors/Applicants

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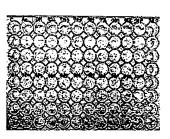
KWAK,

Sang-Soo [KR/KR]; #307-306 Expo Apt., 464-1 Jeonmin-dong, Yusung-ku, Taejon-si 305-390 (KR). LEE, Haeng-Soon [KR/KR]; #126-502 Hanbit Apt., 99 Oun-dong, Yusung-ku, Taejon-si 305-333 (KR). KWON, Suk-Yoon [KR/KR]; #119-902 Hanbit Apt., 99 Oun-dong, Yusung-ku, Taejon-si 305-333 (KR). KIM, Chang-Jin [KR/KR]; #7-203 Townhouse, 391 Kuryoung-dong, Yusung-ku, Taejon-si 305-504 (KR). LEE, Hyang-Burm [KR/KR]; #126-803 Hanbit Apt., 99 Oun-dong, Yusung-ku, Taejon-si 305-755 (KR). LEE, Sang-Han [KR/KR]; #2-505 Kwakiwon Apt., 383-2 Doryoung-dong, Yusung-ku, Taejon-si 305-340 (KR).

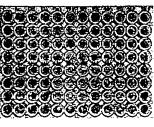
- (74) Agent: LEE, Won-Hee; 8th Fl., Sung-ji Heights II, 642-16 Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).
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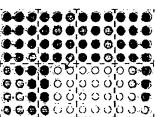
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(54) Title: METHOD FOR HIGH THROUGHPUT SCREENING OF PLANT GROWTH REGULATOR



(57) Abstract: The present invention relates to a method for high throughput screening of plant growth regulator, more particularly to the method comprising; 1) culturing phytomixotrophic cells and candidates of plant growth regulator which were added in a microwell plate, 2) treating 2,3,5-triphenyltetrazolium chloride thereto, 3) reacting thereof by adding ethanol after removing solutions from microwells, 4) transferring the reacting solution into the new microwell plate, and 5) measuring optical density with a high throughput screening reader. Since the method of the present invention can rapidly and conveniently screen many samples and can also evaluate in vivo activities of plant growth regulators, it can effectively be used as a screening method for plant growth inhibitors and activators.





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